

PATENT
Attorney Docket No. SNS-010C1
(7268/17)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Goodwin, *et al.*
SERIAL NO.: 10/650,155 GROUP NO.: Not Yet Assigned
FILING DATE: August 28, 2003 EXAMINER: Not Yet Assigned
TITLE: 3-D Selection and Manipulation With a Multiple Dimension Haptic Interface

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that

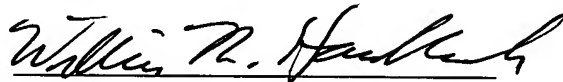
- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

In addition, Applicants wish to inform the Examiner of the following commonly-owned, co-pending applications:

Serial Number	Inventor	Filing Date	Priority Information
09/574,131	Tarr, et al.	05/18/00	Continuation of USSN 08/691,247
10/375,517	Shih, et al.	02/26/03	Continuation of US Patent No. 6,552,722, issued on 04/22/03, which is a continuation-in-part of US Patent No. 6,421,048, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/352,066	Handley, et al.	07/14/99	Continuation-in-part of US Patent No. 6,421,048, issued on 07/16/02, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/356,289	Rodomista, et al.	07/16/99	

Serial Number	Inventor	Filing Date	Priority Information
10/144,191	Rodomista, et al.	05/13/02	Divisional of USSN 09/356,119
10/017,703	Jennings, et al.	12/14/01	
10/017,148	Jennings, et al.	12/14/01	
10/133,242	Goodwin, et al.	04/26/02	
10/055,565	Zilles, et al.	10/26/01	Continuation of US Patent No. 6,369,834, issued 04/09/02, which is a continuation of US Patent No. 6,111,577, issued 08/29/00.
10/022,114	Massie, et al.	11/16/01	Continuation of USSN 09/268,455 filed on 02/12/99, which is a continuation of US Patent No. 5,898,599 issued on 04/27/99, which is a continuation of US Patent No. 5,625,576, issued on 04/29/97, which is a continuation of US Patent No. 5,587,937 issued on 12/24/96.

Respectfully submitted,



William R. Haulbrook, PhD.

Attorney for Applicants

Testa, Hurwitz, & Thibault, LLP

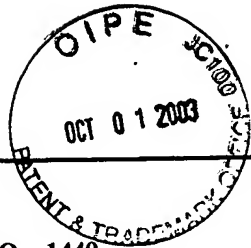
High Street Tower

125 High Street

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Date: September 26, 2003
Reg. No. 53,002

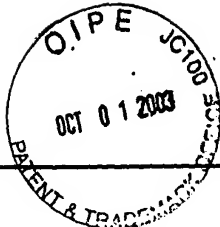
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Fax No.: (617) 248-7100



FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: SNS-010C1
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U.S. PATENT DOCUMENTS							
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	2,475,484	07/05/49	DeNise	318	628	05/14/46
	A2	3,168,203	02/01/65	Gallistel	214	1	07/07/60
	A3	3,263,824	08/02/66	Jones et al.	214	1	12/20/63
	A4	3,449,008	06/10/69	Colechia	294	88	06/08/67
	A5	3,531,868	10/06/70	Stevenson	33	174	04/18/68
	A6	3,618,786	11/09/71	Fick	214	1CM	01/02/69
	A7	3,637,092	01/01/72	George et al.	214	1CM	04/30/70
	A8	3,920,972	11/18/75	Corwin et al.	235	151.1	07/16/74
	A9	3,944,798	03/16/76	Eaton	235	161.3	04/18/74
	A10	4,062,455	12/13/77	Flatau	214	1	11/01/76
	A11	4,150,803	04/24/79	Fernandez	244	135A	10/05/77
	A12	4,216,467	08/05/80	Colston	340	365L	12/22/77
	A13	4,302,138	11/24/81	Zarudiansky	414	5	01/22/79
	A14	4,367,532	01/04/83	Crum et al.	364	513	12/24/80
	A15	4,420,808	12/13/83	Diamond et al.	364	434	01/18/82
	A16	4,521,685	06/04/85	Rebman	250	229	03/01/82
	A17	4,604,016	08/05/86	Joyce	414	7	08/03/83
	A18	4,632,341	12/30/86	Repperger et al.	244	230	02/06/85
	A19	4,638,798	01/27/87	Shelden et al.	128	303B	09/10/80
	A20	4,653,011	03/24/87	Iwano	364	513	03/27/85
	A21	4,654,648	03/31/87	Herrington et al.	340	710	12/17/84
	A22	4,655,673	04/07/87	Hawkes	414	730	05/10/83
	A23	4,661,032	04/28/87	Arai	414	5	12/18/85

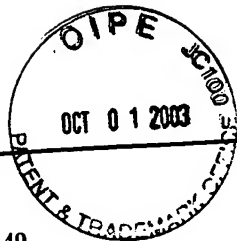
EXAMINER	DATE CONSIDERED
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	A24	4,670,851	06/02/87	Murakami et al.	364	518	10/22/84
	A25	4,676,002	06/30/87	Slocum	33	1 MP	12/20/85
	A26	4,680,519	07/14/87	Chand et al.	318	568	09/23/85
	A27	4,703,443	10/27/87	Moriyasu	364	559	02/07/85
	A28	4,729,098	03/01/88	Cline et al.	364	414	06/05/85
	A29	4,769,763	09/06/88	Trieb et al.	364	559	06/16/86
	A30	4,791,934	12/20/88	Brunnett	128	653	08/07/86
	A31	4,795,296	01/03/89	Jau	414	5	10/17/86
	A32	4,800,721	01/31/89	Cemenska et al.	60	393	02/13/87
	A33	4,819,195	04/04/89	Bell et al.	364	571.1	01/20/87
	A34	4,823,634	04/25/89	Culver	74	471	11/03/87
	A35	4,837,734	06/06/89	Ichikawa et al.	364	513	02/26/87
	A36	4,839,838	06/13/89	LaBiche et al.	364	709.1	03/30/87
	A37	4,853,874	08/01/89	Iwamoto et al.	364	513	11/20/87
	A38	4,888,538	12/19/89	Dimitrov et al.	318	675	01/13/88
	A39	4,893,981	01/16/90	Yoshinada et al.	414	5	03/26/87
	A40	4,907,970	03/13/90	Meenen, Jr.	434	45	03/30/88
	A41	4,907,973	03/13/90	Hon	434	262	11/14/88
	A42	4,942,538	07/17/90	Yuan et al.	364	513	02/23/89
	A43	4,945,305	07/31/90	Blood	324	207.2	04/11/89
	A44	4,945,501	07/31/90	Bell et al.	364	571.1	04/12/89
	A45	4,961,138	10/02/90	Gorniak	364	200	10/02/89
	A46	4,973,215	11/27/90	Karlen et al.	414	729	02/14/89
	A47	4,982,504	01/08/91	Söderberg et al.	33	502	02/17/89
	A48	4,988,981	01/29/91	Zimmerman et al.	340	709	02/28/89
	A49	5,004,391	04/02/91	Burdea	414	6	08/21/89

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	A50	5,007,300	04/16/91	Siva	74	471 X	01/22/90
	A51	5,018,922	05/28/91	Yoshinada <i>et al.</i>	414	5	09/12/89
	A52	5,019,761	05/28/91	Kraft	318	568.1	02/21/89
	A53	5,038,089	08/06/91	Szakaly	318	568.1	10/28/88
	A54	5,040,306	08/20/91	McMurtry <i>et al.</i>	33	556	02/20/89
	A55	5,044,956	09/03/91	Behensky <i>et al.</i>	434	45	01/12/89
	A56	5,053,975	10/01/91	Tsuchihashi <i>et al.</i>	364	513	06/08/89
	A57	5,072,361	12/10/91	Davis <i>et al.</i>	364	167	02/01/90
	A58	5,088,046	02/11/92	McMurtry	364	474	12/19/88
	A59	5,088,055	02/11/92	Oyama	364	560	02/22/90
	A60	5,103,404	04/07/92	McIntosh	318	568.2	12/20/89
	A61	5,105,367	04/14/92	Tsuchihashi <i>et al.</i>	395	99	10/16/89
	A62	5,116,051	05/26/92	Moncrief <i>et al.</i>	273	448 B	06/08/90
	A63	5,116,180	05/26/92	Fung <i>et al.</i>	414	5	05/03/90
	A64	5,130,632	07/14/92	Ezawa <i>et al.</i>	318	568.1	12/05/90
	A65	5,131,844	07/21/92	Marinaccio <i>et al.</i>	433	72	04/08/91
	A66	5,142,931	09/01/92	Menahem	74	471 XY	02/14/91
	A67	5,143,505	09/01/92	Burdea <i>et al.</i>	414	5	02/26/91
	A68	5,184,319	02/02/93	Kramer	364	806	02/02/90
	A69	5,185,561	02/09/93	Good <i>et al.</i>	318	432	07/23/91
	A70	5,189,806	03/02/93	McMurtry <i>et al.</i>	33	503	08/17/92
	A71	5,193,963	03/16/93	McAfee <i>et al.</i>	414	5	10/01/90
	A72	5,204,824	04/20/93	Fujimaki	364	474	08/23/90
	A73	5,220,260	06/15/93	Schuler	318	561	10/24/91
	A74	5,223,776	06/29/93	Radke <i>et al.</i>	318	568.1	12/31/90
	A75	5,239,246	08/24/93	Kim	318	568.1	07/08/92

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A76	5,255,211	10/19/93	Redmond	364	578	02/22/90
A77	5,264,768	11/23/93	Gregory et al.	318	561	10/06/92
A78	5,266,875	11/30/93	Slotine et al.	395	99x	05/01/91
A79	5,354,162	10/11/94	Burdea et al.	414	5	10/11/94
A80	5,382,885	01/17/95	Salcudean et al.	318	568.1	08/09/93
A81	5,389,865	02/14/95	Jacobus et al.	318	568.1	12/02/92
A82	5,396,265	03/07/95	Ulrich et al.	345	158	09/17/90
A83	5,414,337	05/09/95	Schuler	318	561	06/11/93
A84	5,429,140	07/04/95	Burdea et al.	128	774	06/04/93
A85	5,438,529	08/01/95	Rosenberg et al.	364	709.1	01/26/94
A86	5,459,382	10/17/95	Jacobus et al.	318	568.1	06/09/94
A87	5,482,051	01/09/96	Reddy et al.	128	733	04/06/94
A88	5,489,830	02/06/96	Fernandez	318	628	09/01/94
A89	5,497,452	03/05/96	Shimizu et al.	395	120	03/02/92
A90	5,515,078	05/07/96	Greschler et al.	345	156	
A91	5,555,894	09/17/96	Doyama et al.	128	782	05/02/94
A92	5,559,412	09/24/96	Schuler	318	561	05/03/95
A93	5,576,727	11/19/96	Rosenberg et al.	345	179	06/05/95
A94	5,587,937	12/24/96	Massie et al.	364	578	04/25/95
A95	5,589,854	12/31/96	Tsai	345	161	06/22/95
A96	5,623,582	04/22/97	Rosenberg	395	99	07/14/94
A97	5,623,642	04/22/97	Katz et al.	395	500	04/06/94
A98	5,625,576	04/29/97	Massie et al.	364	578	10/01/93
A99	5,629,594	05/13/97	Jacobus et al.	318	568.1	10/16/95
A100	5,642,469	06/24/97	Hannaford et al.	395	99	11/03/94
A101	5,666,138	09/09/97	Culver	345	161	11/22/94

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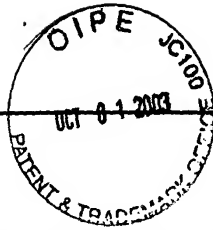
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	A102	5,691,898	11/25/97	Rosenberg et al.	364	190	03/28/96
	A103	5,694,013	12/02/97	Stewart et al.	318	561	09/06/96
	A104	5,701,140	12/23/97	Rosenberg et al.	345	156	07/12/94
	A105	5,721,566	02/24/98	Rosenberg et al.	345	161	06/09/95
	A106	5,724,264	03/03/98	Rosenberg et al.	364	559	08/07/95
	A107	5,731,804	03/24/98	Rosenberg	345	156	01/18/95
	A108	5,734,373	03/31/98	Rosenberg et al.	345	161	12/01/95
	A109	5,737,505	04/07/98	Shaw et al.	395	119	10/15/96
	A110	5,739,811	04/14/98	Rosenberg et al.	345	161	09/27/95
	A111	5,742,278	04/21/98	Chen et al.	345	156	11/01/95
	A112	5,751,289	05/12/98	Myers	345	419	01/16/96
	A113	5,754,023	05/19/98	Roston et al.	318	561	10/22/96
	A114	5,767,839	06/16/98	Rosenberg	345	161	03/03/95
	A115	5,769,640	06/23/98	Jacobus et al.	434	262	08/10/95
	A116	5,784,542	07/21/98	Ohm et al.	395	95	10/23/96
	A117	5,790,108	08/04/98	Salcudean et al.	345	184	10/23/92
	A118	5,798,752	08/25/98	Buxton et al.	345	146	02/27/95
	A119	5,800,177	09/01/98	Gillio	434	262	07/11/96
	A120	5,800,178	09/01/98	Gillio	434	262	07/11/96
	A121	5,800,179	09/01/98	Bailey	434	262	07/23/96
	A122	5,802,353	09/01/98	Avila et al.	395	500	06/12/96
	A123	5,803,738	09/08/98	Latham	434	29	08/05/96
	A124	5,805,140	09/08/98	Rosenberg et al.	345	161	11/17/95
	A125	5,821,920	10/13/98	Rosenberg et al.	345	156	03/28/97
	A126	5,825,308	10/20/98	Rosenberg	341	20	11/26/96
	A127	5,828,197	10/27/98	Martin, et al.	318	567	10/25/96

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	A128	5,831,408	11/03/98	Jacobus, et al.	318	568.1	05/12/97
	A129	5,844,392	12/01/98	Peurach et al.	318	568.2	05/21/97
	A130	5,859,934	01/12/99	Green	382	296	01/14/97
	A131	5,880,714	03/09/99	Rosenberg et al.	345	156	01/15/97
	A132	5,889,670	03/30/99	Schuler et al.	364	186	01/11/96
	A133	5,903,456	05/11/99	Schena et al.	364	190	01/27/97
	A134	5,907,487	05/25/99	Rosenberg et al.	364	190	04/02/97
	A135	5,913,727	06/22/99	Ahdoot	463	39	06/13/97
	A136	5,929,607	07/27/99	Rosenberg et al.	320	166	04/02/97
	A137	5,929,846	07/27/99	Rosenberg et al.	345	161	06/05/97
	A138	5,956,484	09/21/99	Rosenberg et al.	395	200.3	08/01/96
	A139	6,084,587	07/04/00	Tarr et al.	345	419	02/08/96
	A140	6,191,796 B1	02/20/01	Tarr	345	433	01/21/98
	A141	6,337,678 B1	01/20/02	Fish	345	156	07/21/99
	A142	6,342,880 B2	01/20/02	Rosenberg et al.	345	161	10/06/99
	A143	D. 377,932	02/11/97	Schena et al.	D14	114	10/31/95
	A144	5,237,647	08/17/93	Roberts, et al.	345	419	10/28/91
	A145	5,333,257	07/26/94	Merrill, et al.	345	467	08/09/91
	A146	5,446,834	08/29/95	Deering	345	427	12/06/94
	A147	5,659,493	08/19/97	Kiridena, et al.	703	2	03/03/95
	A148	5,774,130	06/30/98	Horikawa, et al.	345	441	08/31/95
	A149	5,847,956	12/08/98	Bronfeld, et al.	700	98	09/26/96
	A150	5,872,438	02/16/99	Roston	318	568.11	07/01/97
	A151	5,873,106	02/16/99	Joseph	715	506	09/18/95
	A152	5,882,206	06/16/99	Gillio	434	262	03/29/95
	A153	5,898,599	04/27/99	Massie, et al.	345	161	12/23/96

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	A154	5,903,886	05/11/99	Heimlich, et al.	706	50	04/29/97
	A155	5,973,678	10/26/99	Stewart, et al.	345	184	08/29/97
	A156	5,988,862	11/23/99	Kacyra, et al.	703	6	04/24/96
	A157	6,111,577	08/29/00	Zilles, et al.	345	701	04/04/96
	A158	6,211,848	04/03/01	Plesniak, et al.	345	156	02/09/99
	A159	6,226,003	05/01/01	Akeley	345	419	08/11/98
	A160	6,308,144	10/23/01	Bronfeld, et al.	703	2	09/26/96
	A161	6,369,834	04/09/02	Zilles, et al.	345	701	06/02/99
	A162	6,417,638	07/09/02	Guy, et al.	318	560	07/16/99
	A163	6,421,048	07/16/02	Shih, et al.	345	419	06/28/99
	A164	6,552,722	04/22/03	Shih, et al.	345	19	07/06/99
	A165	20020075283	06/20/02	Payne	345	643	12/14/01
	A166	20020089500	07/11/02	Jennings, et al.	345	420	12/14/01
	A167	20020158842	10/31/02	Guy, et al.	345	156	05/13/02
	A168	20030128208	07/10/03	Shih, et al.	345	419	02/26/03

FOREIGN PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRA CT ONLY	ENGLISH LANG (Y/N)
	B1	WO 95/02801	01/26/95	PCT	G01B	7/03	07/12/94	N	Y
	B2	WO 96/16397	05/30/96	PCT	G09G	5/08	11/22/95	N	Y
	B3	WO 96/22591	07/25/96	PCT	G09G	5/00	01/17/96	N	Y
	B4	WO 96/42078	12/27/96	PCT	G09G	3/02	06/07/96	N	Y
	B5	WO 97/06410	02/20/97	PCT	G01C	7/00	07/29/96	N	Y
	B6	WO 97/12337	04/03/97	PCT	G06F	19/00	09/25/96	N	Y
	B7	WO 97/12357	04/03/97	PCT	G09G	5/00	09/25/96	N	Y
	B8	WO 97/19440	05/29/97	PCT	G09G	5/00	11/05/96	N	Y

EXAMINER	DATE CONSIDERED
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INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-010C1

APPLICANTS: Goodwin, *et al.*

SERIAL NO.: 10/650,155

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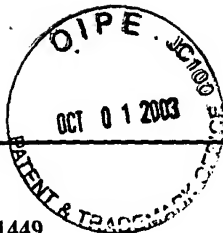
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	B12	WO 98/26342	06/18/98	PCT	G06F	N/A	11/25/97	N	Y
	B13	WO 98/30951	07/16/98	PCT	GO6F	3/02	01/07/98	N	Y
	B14	WO 98/58308	12/23/98	PCT	GO6F	3/033	06/15/98	N	Y
	B15	WO 98/58323	12/23/98	PCT	GO6F	15/00	06/16/98	N	Y
	B16	WO 99/10872	03/04/99	PCT	GO9G	5/00	08/21/98	N	Y
	B17	EP 0 915 434 A2	05/12/99	EP	GO6T	15/50	05/14/98	N	Y

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EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)
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	APPLICANTS: Goodwin, <i>et al.</i>
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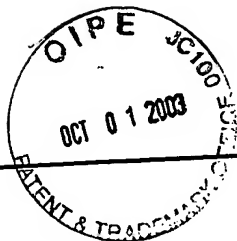
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